

# Akash Jagannathan

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## Technical Skills

### Front-End Development

HTML5  
CSS3  
jQuery  
jQuery UI  
HTTP Request/Response  
Ajax  
Responsive Web Development

### Languages

Python  
JavaScript  
Swift 3

### Databases

SQL (MySQL, SQLite)  
NoSQL (MongoDB)  
Mongoose.js

### Servers

Flask  
Node.js

### Frameworks

Django  
Express/Socket.io  
Angular  
Core Data (iOS)  
Core Location (iOS)  
Twitter Bootstrap

### Version Control

Git  
Github

### JS/jQuery Libraries

Highcharts  
tablesorter  
fancy input  
Arctext.js  
Complexify.js

### Methodology

OOP  
MVC/MTV  
RESTful Architecture

## Full Stack Web Developer

Talented, fresh web developer looking to make significant and meaningful contributions in the tech field. Over 1450 hours of experience developing a strong working knowledge of ubiquitous programming languages, methodologies, and frameworks. Strongly self-motivated and a highly persistent work ethic with a positive attitude. Proven ability to pick up new concepts and technologies quickly.

## Education

**Coding Dojo**, *January – April 2017*

### Full Stack Web Development Program, Triple Black Belt

Completed intensive 14 weeks, full-time web development program, including the introduction, implementation, and iteration of various web projects over 3 full stacks. Earned a triple black belt which is the highest recognition given to the top students.

**University of California, San Diego**, *September 2010 – June 2015*

### Bachelor of Science in Cognitive Science with Honors, Minor in Gen. Biology

Upper Division Major GPA: 3.93

Total GPA: 3.52

## Experience

**Etkin Lab, Stanford School of Medicine** *July 2015 – September 2016*

### Volunteer Research Assistant

Tested and debugged complex source code (brain-wave artifact rejection algorithm) in MATLAB for a top Stanford psychiatry lab. Introduced to the Python programming language and the Unix shell. Provided timely assistance in human research experiments targeting new treatments for mental disorders in veterans.

## Projects

**User Dashboard ([akashj.pythonanywhere.com](https://akashj.pythonanywhere.com))** Web app allowing users to login/register, manage other users, post messages and comments on each other's walls (similar to Facebook), and edit their personal information. Includes full-fledged login/registration functionality including back-end validations. Utilizes knowledge of MTV architecture and password encryption.

*Tech – Python, Django, SQLite, Twitter Bootstrap, jQuery, JavaScript, HTML5, CSS3*

**Face Detection App (54.153.96.159)** A nifty app utilizing the OpenCV library that is able to detect the number of faces in an uploaded PNG image with decent accuracy.

*Tech – HTML5, CSS3, Python, Django, Twitter Bootstrap, OpenCV*

**Pac-Man ([ajag408.github.io/pacman](https://ajag408.github.io/pacman))** A simple rendition of the popular game Pac-Man. Highlights include the face of Pac-Man/Pac-Woman changing direction based on which way they are moving, a pseudo-randomly moving ghost, and cherries worth extra points. Move Pac-Man using the arrow keys and Pac-Woman using e-f-c-s.

*Tech – HTML5, CSS3, JavaScript*